

8M

Notice of Allowability	Application No.	Applicant(s)	
	09/898,171	PELEUS ET AL.	
	Examiner	Art Unit	
	Cam Y T Truong	2172	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/2/2004.
2. ☒ The allowed claim(s) is/are 13-24.
3. ☒ The drawings filed on 27 October 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

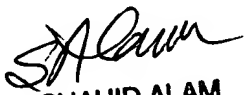
* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |


SHAHID ALAM
PRIMARY EXAMINER

DETAILED ACTION

1. Applicant has canceled claims 1-12 and added claims 13-24 in the amendment filed 6/2/2004. Claims 13-24 are pending in this Office Action.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Aaron C. Chatterjee, Reg. No. 41,398 on 09/22/2004.

In the claim: Please replace original claims 15, 16, 23 and 24 with amended claims 15, 16, 23 and 24.

13. (New) A computer implemented method of transferring alien free-text, unstructured multi-lingual information from a resume to a discreet information categorization, comprising:

- a) pre processing a resume using lexical and content analysis to:
 - i) determine the language of the resume;
 - ii) determine the origin of the resume;
 - iii) determine to layout and general topology of the resume; and
 - iv) determine the discreet type of the resume based on the determined language, layout and topology of the resume;
- b) selecting a processing template based on steps a.i. to a.iv. and inputting the template into memory, said template having a discreet (predetermined) number of layouts, topologies and categories and sets or series of sections of text information for each category;
- c) providing a set of default templates per determined language when the lexical and content analysis fails to determine the layout, topology and type of the resume;

Art Unit: 2172

d) implementing the default templates to allow the system to extract the most important information on the resume allowing an automated contact generation and response to a resume originator;

e) automatically generating a contact or response to the resume originator by either electronic or paper based means;

f) normalizing the resume by using the template to associate each resume content section with a discreet information category thereby creating a plurality of normalized resume contents; and

g) automatically transferring each normalized resume content to a resume data section within a discreet data store comprising a database or a tagged data store including XML in which each said resume data section is identified by a storage section identifier comprising a fieldname or a tag-name mapped to the normalized resume content.

15. (New) The method of claim 13 in which one syntactical language categorization matches a sequence of characters section within a resume heading.

16. (New) The method of claim 13 in which one syntactical language categorization matches a sequence of characters section within a resume content.

23. (Currently Amended) A system for transferring free text, unstructured, multi-lingual information from a resume to a discreet data store comprising:

means for inputting a resume into a memory, said resume being of unknown language and having a plurality of resume contents;

means for pre processing the resume using lexical and content analysis to determine the language of the resume;

means for pre processing the resume to determine a resume type based on the language and the lexical and content analysis of the resume;

means for selecting a processing template based on the resume type, and inputting the template into memory, the template having a discreet number of layouts, topologies and categories and sets or series of sections of text information for each category;

means for normalizing the resume by using the template to associate each resume content section with a discreet information category thereby creating a plurality of normalized resume contents;

Art Unit: 2172

means for automatically transferring each normalized resume content to a data section within a discreet data store comprising a database or a tagged data store including XML in which each said resume data section is identified by a storage section identifier comprising a fieldname or a tag-name mapped to the normalized resume content; and

means for an automated resume response mechanism to a resume originator using either electronic or paper based.

24. (Currently Amended) A computer readable medium having program code recorded thereon that, when executed, causes a computing system to transfer free text, multi-lingual information from a resume to a data store, the program code comprising:

code for inputting a resume, of unknown origin, content and format, into memory, said resume having a plurality of language, layout and contents;

code for preprocessing the resume, using lexical and content analysis, to determine the origin and language of the resume;

code for preprocessing the resume to determine a resume type based on the determined language, origin, layout and topology of the resume;

code for selecting a template based on the determined type of resume and inputting the template into memory, said template having a discreet number of layouts, topologies and categories and sets or series of sections of text information for each category;

code for selecting a default template when the resume type cannot be determined to allow the system to extract the most important information on the resume allowing an automated contact generation and response to the resume originator;

code for automatically transferring each normalized resume content to a data section within a discreet data store comprising a database or a tagged data store including XML in which each said resume data section is identified by a storage section identifier comprising a fieldname or a tag-name mapped to the normalized resume content; and

code for automatically generating a contact or response to a resume originator using either electronic or paper based means.

Allowable Subject Matter

3. Claims 13-24 are allowed.

The prior art of record, alone or in combination, does not teach or fairly suggest the combination of steps as recited in independent claims 13 and 24, wherein "pre processing a resume using lexical and content analysis to: i) determine the language of the resume; ii) determine the origin of the resume; iii) determine to layout and general topology of the resume; and iv) determine the discreet type of the resume based on the determined language, layout and topology of the resume; selecting a processing template based on steps a.i. to a.iv. and inputting the template into memory, said template having a discreet (predetermined) number of layouts, topologies and categories and sets or series of sections of text information for each category; automatically generating a contact or response to the resume originator by either electronic or paper based means".

The prior art of record, alone or in combination, does not teach or fairly suggest the combination of steps as recited in independent claim 23, wherein "pre processing the resume to determine a resume type based on the language and the lexical and content analysis of the resume; normalizing the resume by using the template to associate each resume content section with a discreet information category thereby creating a plurality of normalized resume contents; an automated resume response mechanism to a resume originator using either electronic or paper based".

The dependent claims, bring definite, further limiting, and fully enabled by the specification are also allowed.

Contact Information


4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cam Y T Truong whose telephone number is (703) 605-1169. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Breene can be reached on (703) 305-9790. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Cam-Y Truong

9/23/2004


SHAHID ALAM
PRIMARY EXAMINER